

State Water Resources Control Board

Division of Drinking Water

January 4, 2017

Rodney Wallace, Superintendent
El Tejon Unified School District
P.O. Box 876
Lebec, CA 93243

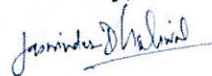
**RE: FRAZIER MOUNTAIN HIGH SHCOOL (WATER SYSTEM NO. 1503140)
COMPLIANCE ORDER FOR VIOLATION OF URANIUM MCL**

Enclosed is Compliance Order No. 03_19_17R_001 that the State Water Resources Control Board, Division of Drinking Water (hereinafter State Board) is issuing to the Frazier Mountain High School Water System (hereinafter Water System) for a violation of the California Safe Drinking Water Act. The Water System has been serving water to consumers that fails the primary maximum contaminant level (MCL) for uranium of 20 pCi/L. As discussed in the compliance order, the Water System shall develop and implement a plan to resolve the uranium MCL violation and ensure that water served to consumers meets all drinking water standards.

Please note that on or before January 20, 2017, the Water System is required to submit a written response to the State Board indicating its agreement to comply with the directives of the compliance order and with the Corrective Action Plan addressed in the said compliance order. **On or before March 31, 2017, the Water System is required to present the Corrective Action Plan required under Directive No. 6 of the compliance order, to the State Board in person at the State Board's office located at 4925 Commerce Drive, Suite 120, Bakersfield, California 93309. The deadline to achieve compliance with the uranium MCL is January 31, 2020.** Until the State Board determines that the Water System is in compliance with the uranium MCL, you must continue to provide quarterly public notification for uranium. After providing quarterly public notification, a copy of the public notice along with a completed Certification of Public Notification form should be submitted to the State Board's Bakersfield Office. **Failure to comply with deadlines and directives specified in the compliance order will result in further enforcement action by the State Board.**

If you have any questions regarding this matter, please contact me at (661) 335-7318 or Carl Carlucci, Supervising Sanitary Engineer at (559) 447-3132.

Sincerely,



Jaswinder S. Dhaliwal, P.E.
Senior Sanitary Engineer, Tehachapi District
State Water Resources Control Board
DIVISION OF DRINKING WATER

Enclosure: Compliance Order No. 03_19_17R_001

CC: Kern County Dept. of Public Health, Environmental Health Services Department (w/out enclosure)
skOO'kum h2o monitoring, inc., Sampler (via email)

COMPLIANCE ORDER NO. 03_19_17R_001

1 CALIFORNIA
2 STATE WATER RESOURCES CONTROL BOARD
3 DIVISION OF DRINKING WATER
4

5 TO: El Tejon Unified School District – Frazier Mountain High School
6 (System No. 1503140)
7 ATTN: Rodney Wallace, Superintendent
8 P.O. Box 876
9 Lebec, CA 93243

10 CERTIFIED MAIL

11 COMPLIANCE ORDER NO. 03_19_17R_001

12 FOR

13 VIOLATION OF HEALTH AND SAFETY CODE SECTION 1166555 (a)(1)

14 AND THE PRIMARY DRINKING WATER STANDARD FOR URANIUM

15 Dated January 4, 2017
16

17
18 The State Water Resources Control Board (hereinafter "State Board"), acting by and through
19 its Division of Drinking Water and the Deputy Director for the Division (hereinafter "Deputy
20 Director"), hereby issues this compliance order (hereinafter "Order") pursuant to Section
21 116655 of the California Health and Safety Code (hereinafter "CHSC") to El Tejon Unified
22 School District for violation of CHSC section 116555(a)(1) and Title 22, California Code of
23 Regulations (hereinafter "CCR"), Section 64442.
24
25
26
27

APPLICABLE AUTHORITIES

CHSC, Section 116555(a)(1) states in relevant part:

(a) Any person who owns a public water system shall ensure that the system does all of the following:

- (1) Complies with primary and secondary drinking water standards.

CHSC, Section 116655 states in relevant part:

(a) Whenever the department determines that any person has violated or is violating this chapter, or any permit, regulation, or standard issued or adopted pursuant to this chapter, the director may issue an order doing any of the following:

- (1) Directing compliance forthwith.
- (2) Directing compliance in accordance with a time schedule set by the department.
- (3) Directing that appropriate preventive action be taken in the case of a threatened violation.

(b) An order issued pursuant to this section may include, but shall not be limited to, any or all of the following requirements:

- (1) That the existing plant, works, or system be repaired, altered, or added to.
- (2) That purification or treatment works be installed.
- (3) That the source of the water supply be changed.
- (4) That no additional service connection be made to the system.
- (5) That the water supply, the plant, or the system be monitored.
- (6) That a report on the condition and operation of the plant, works, system, or water supply be submitted to the department.

Title 22, CCR, Section 64442 (hereinafter "Section 64442"), states in relevant part:

- (a) Each community and nontransient-noncommunity water system (system) shall comply with the primary MCLs in Table 64442 in the drinking water supplied to the public and use the DLRs for reporting monitoring results"

Table 64442
Radionuclide Maximum Contaminant Levels (MCLs)
And Detection Levels for Purposes of Reporting (DLRs)

<i>Radionuclide</i>	<i>MCL</i>	<i>DLR</i>
Radium-226	5 pCi/L (combined radium-226 & -228)	1 pCi/L
Radium-228		1 pCi/L
Gross Alpha particle activity (excluding radon and uranium)	15 pCi/L	3 pCi/L
Uranium	20 pCi/L	1 pCi/L

(b) Each system shall monitor to determine compliance with the MCLs in table 64442, as follows:

(1) Monitor at each water source, or every entry point to the distribution system that is representative of all sources being used under normal operating conditions; conduct all monitoring at the same sample site(s) unless a change is approved by the State Board, based on a review of the system and its historical water quality data;

(2) For quarterly monitoring, monitor during the same month (first, second or third) of each quarter during each quarter monitored;

(3) By December 31, 2007, complete initial monitoring that consists of four consecutive quarterly samples at each sampling site for each radionuclide in table 64442, except that nontransient-noncommunity water systems shall not be required to monitor radium-228 as a separate analyte, but shall monitor for compliance with the combined radium MCL using the analytical method described in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, Section 6, Alpha-emitting Radium Isotopes in Drinking Water, Method 903.0 (EPA/600/4-80-032, August 1980):

(A) Data collected for a sampling site between January 1, 2001, and December 31, 2004, may be used to satisfy the initial monitoring requirement, subject to the State Board's approval based on whether the analytical methods, DLRs, sampling sites, and the frequency of monitoring used were consistent with this article.

(B) For gross alpha particle activity, uranium, radium-226 and radium-228, the State Board may waive the final two quarters of initial monitoring at a sampling site if the results

from the previous two quarters are below the DLR(s) and the sources are not known to be vulnerable to contamination.

(c) Any new system or new source for an existing system shall begin monitoring pursuant to Subsection (b) within the first quarter after initiating water service to the public.

(d) After initial monitoring, each system shall monitor for each radionuclide at each sampling site at a frequency determined by the monitoring result(s) [single sample result or average of sample results if more than one sample collected] from the most recent compliance period as follows:

(1) For nontransient-noncommunity water systems, the results for the total radium analyses shall be averaged.

(2) For community water systems, the results of radium-226 and radium-228 analyses shall be added and the average calculated.

(3) The values used for the radionuclide MCLs and DLRs shall be as specified in Table 64442.

(4) If the single sample result or average is:

A. Below the DLR, the system shall collect and analyze at least one sample every nine years (3 compliance periods).

B. At or above the DLR, but at or below $\frac{1}{2}$ the MCL, the system shall collect and analyze at least one sample every six years.

C. Above $\frac{1}{2}$ the MCL, but not above the MCL, the system shall collect and analyze at least one sample every three years.

(e) A system that monitors quarterly may composite up to four consecutive samples from a single sampling site if analysis is done within a year of the first sample's collection. If the result of the composited sample is greater than $\frac{1}{2}$ the MCL, at least one additional quarterly sample shall be analyzed to evaluate the range and trend of results over time before allowing the system to reduce the monitoring frequency.

(f) A gross alpha particle activity measurement may be substituted for other measurements by adding the 95% confidence interval (1.65σ , where σ is the standard deviation of the net counting rate of the sample) to it; and if,

(1) For uranium and radium measurements (after initial radium-228 monitoring has been completed), the gross alpha measurement does not exceed 5 pCi/L; or

(2) For radium measurements (after initial radium-228 monitoring has been completed), the result obtained from subtracting the uranium measurement from the gross alpha measurement does not exceed 5 pCi/L.

(g) If any sample result is greater than an MCL:

(1) For a system monitoring less than quarterly, quarterly samples shall be collected and analyzed to determine compliance, pursuant to subsection (h);

1 (2) For a system that already has four consecutive quarterly results, compliance shall be
2 determined pursuant to subsection (h).

3 (3) The system shall monitor quarterly until the results of four consecutive quarterly
4 sample results do not exceed the MCL.

5 (h) A system with one or more sample results greater than an MCL shall determine compliance
6 with the MCL as follows:

7 (1) At each sampling site, based on the analytical results for that site. Any confirmation
8 sample result shall be averaged with the initial result.

9 (2) Using all monitoring results collected under this section during the previous 12 months,
10 even if more than the minimum required number of samples was collected.

11 (3) By a running annual average of four consecutive quarters of sampling results.
12 Averages shall be rounded to the same number of significant figures as the MCL for which
13 compliance is being determined.

14 (A) If any sample result will cause the annual average at any sample site to exceed
15 the MCL, the system shall be out of compliance immediately upon receiving the result;

16 (B) If a system has not analyzed the required number of samples, compliance shall be
17 determined by the average of the samples collected at the site during the most recent 12
18 months; and

19 (C) If a sample result is less than the DLR in table 64442, zero shall be used to
20 calculate the annual average, unless a gross alpha particle activity is being used in lieu of
21 radium-226, total radium, and/or uranium. In that case, if the gross alpha particle activity
22 result is less than the DLR, $\frac{1}{2}$ the DLR shall be used to calculate the annual average.

23 (4) If compositing is allowed at a sampling site, by the results of a composite of four
24 consecutive quarterly samples.

25 (5) If the system can provide documentation that a sample was subject to sampling or
26 analytical errors, the State Board may invalidate the result based on its review of the
27 documentation, the sampling result, and the historical sampling data.

(6) Each system shall ensure that the laboratory analyzing its samples collected for
compliance with this article calculates and reports the sample-specific Minimum Detectable
Activity at the 95% confidence level (MDA95) along with the sample results. The MDA95 shall
not exceed the DLR and shall be calculated as described in ANSI N42.23 Measurement and
Associated Instrumentation Quality Assurance for Radiobioassay Laboratories, Appendix A.7.6
(September 10, 1995).

1 **STATEMENT OF FACTS**

2 The State Board is informed and believes that the Frazier Mountain High School Water System
3 (hereinafter "Water System") is a nontransient noncommunity water system located in Kern
4 County that supplies water for domestic purposes to approximately 308 individuals through one
5 service connection. The Water System operates under Domestic Water Supply Permit No. 03-
6 19-95P-034, issued on October 12, 1995, by the California Department of Health Services.
7 The Water System is a nontransient noncommunity public water system as defined in CHSC,
8 Section 116275.
9

10 The Water System utilizes one groundwater well (Well 01) as its source of domestic water.
11 Title 22, CCR, Division 4, Chapter 15, Article 5, establishes primary drinking water standards
12 and monitoring and reporting requirements for radionuclide constituents. Community and
13 nontransient noncommunity water systems must comply with the maximum contaminant level
14 for uranium of 20 pCi/L, as established in Title 22 CCR Section 64442.
15

16 A sample collected from the Water System on April 16, 2013, showed a uranium level of 21
17 pCi/L in Well 01 (PS Code: 1503140-001), which is higher than uranium MCL of 20 pCi/L.
18 Therefore, in accordance with Section 64442 (g), the Water System was required to begin
19 quarterly uranium monitoring of Well 01. Section 64442 (h) provides that compliance with the
20 uranium MCL is based on a "running annual average" (RAA) of the quarterly monitoring
21 samples, computed each quarter. Further, Section 64442 (3) (A) states: "if any sample will
22 cause the annual average at any sample site to exceed the MCL, the system shall be out of
23 compliance immediately upon receiving the result."
24

25 A summary of the uranium monitoring of Well 01 is presented in Table 1 below. All results are
26 as reported to the State Board by the laboratory that performed the analysis.
27

Table 1: Well 01 Uranium Monitoring Results and RAA

Sample Quarter	Sample Date	Well 01 Result (pCi/L)	Well 01 RAA (pCi/L)
2 nd Quarter of 2013	4/16/2013	21	No RAA
3 rd Quarter of 2013	7/23/2013	18	No RAA
4 th Quarter of 2013	10/7/2013	18	No RAA
1 st Quarter of 2014	1/22/2014	20	19
2 nd Quarter of 2014	4/9/2014	21	19
3 rd Quarter of 2014	7/16/2014	18	19
4 th Quarter of 2014	10/15/2014	19	20
1 st Quarter of 2015	2/11/2015	19	19
2 nd Quarter of 2015	4/8/2015	21	19
3 rd Quarter of 2015	7/21/2015	16	19
4 th Quarter of 2015	10/14/2015	19	19
1 st Quarter of 2016	1/13/2016	21	19
2 nd Quarter of 2016	4/13/2016	21	19
3 rd Quarter of 2016	7/13/2016	22	21
4 th Quarter of 2016	10/25/2016	21	21

The RAA values for the third and fourth quarters of 2016 is 21 pCi/L. Therefore, the Water System was in violation of the uranium MCL of 20 pCi/L during the third and fourth quarters of 2016.

1 **DETERMINATIONS**

2 Based on the above Statement of Facts, the State Board has determined that the Water
3 System has violated CHSC, Section 116555 and Section 64442 in that the water produced by
4 Well 01, during the third and fourth quarters of 2016, exceeded the uranium MCL as shown in
5 Table 1 above. By a letter dated October 20, 2016, the State Board notified the Water System
6 of its determination of the violation of the uranium MCL for the third quarter of 2016, and
7 directed the Water System to continue quarterly monitoring for uranium, provide Tier 2 public
8 notification to the customers, and submit proof of notification to the State Board. A copy of the
9 letter is provided as Attachment A. Based on a review of the documents received from the
10 Water System, the Water System provided public notification on October 25, 2016 and
11 submitted proof of notification to the State Board on October 25, 2016.
12
13
14

15 **DIRECTIVES**

16 The Water System is hereby directed to take the following actions:
17

- 18 1. On or before **January 31, 2020**, comply with Title 22, CCR, Section 64442 and remain in
19 compliance.
- 20 2. On or before **January 20, 2017**, submit a written response to the State Board indicating its
21 agreement to comply with the directives of this Order and with the Corrective Action Plan
22 addressed herein.
- 23 3. Commencing on the date of service of this Order, provide quarterly public notification in
24 accordance with Attachment B, hereto, of Water System's failure to meet the uranium MCL
25 during any calendar quarter that the four-quarter running annual average exceeds the MCL.
26
27

1 It is noted that public notification for the uranium MCL violation during the fourth quarter of
2 2016 is due and shall be provided before **January 31, 2017**.

- 3
- 4 4. Commencing on the date of service of this Order, submit proof of each public notification
5 conducted in compliance with Directive No. 3, herein above, within 10 days following each
6 such notification, using the form provided as Attachment C, hereto. Proof of notification for
7 the uranium MCL violation for the 4th quarter of 2016 is due no later than **February 10,**
8 **2017**.
- 9
- 10 5. Commencing on the date of service of this Order collect quarterly samples for uranium from
11 Well 01, as required by Section 64442(g), and ensure that the analytical results are
12 reported to the State Board electronically by the analyzing laboratory no later than the 10th
13 day following the month in which the analysis was completed.
- 14 6. Prepare for State Board approval a Corrective Action Plan identifying improvements to the
15 Water System designed to correct the water quality problem (violation of the uranium MCL)
16 and ensure that the Water System delivers water to consumers that meets primary drinking
17 water standards. The plan shall include a time schedule for completion of each of the
18 phases of the project such as design, construction, and startup, and a date as of which the
19 Water System will be in compliance with the uranium MCL, which date shall be no later
20 than **January 31, 2020**.
- 21
- 22 7. On or before **March 31, 2017**, present the Corrective Action Plan required under Directive
23 No. 6, above, to the State Board in person at the State Board's offices located at 4925
24 Commerce Drive, Suite 120, Bakersfield, California 93309.
- 25 8. Timely perform the State Board approved Corrective Action Plan and each and every
26 element of said plan according to the time schedule set forth therein.
27

1 9. On or before **June 30, 2017**, and every three months thereafter, submit a report to the
2 State Board in the form provided as Attachment D, hereto, showing actions taken during
3 the previous calendar three months to comply with the Corrective Action Plan.

4
5 10. Not later than ten (10) days following the date of compliance with the uranium MCL,
6 demonstrate to the State Board that the water delivered by Water System complies with the
7 uranium MCL.

8 11. Notify the State Board in writing no later than five (5) days prior to the deadline for
9 performance of any Directive set forth herein if Water System anticipates it will not timely
10 meet such performance deadline.

11
12 All submittals required by this Order shall be addressed to:

13
14 Jaswinder S. Dhaliwal, P.E., Senior Sanitary Engineer
15 State Water Resources Control Board
16 Division of Drinking Water, Tehachapi District
4925 Commerce Drive, Suite 120
Bakersfield, California 93309

17
18 As used in this Order, the date of issuance shall be the date of this Order; and the date of
19 service shall be the date of service of this Order, personal or by certified mail, on the Water
20 System.

21 The State Board reserves the right to make such modifications to this Order and/or to issue
22 such further order(s) as it may deem necessary to protect public health and safety. Such
23 modifications may be issued as amendments to this Order and shall be deemed effective upon
24 issuance.

25
26 Nothing in this Order relieves Water System of its obligation to meet the requirements of the
27 California SDWA, or any regulation, standard, permit or order issued thereunder.

PARTIES BOUND

This Order shall apply to and be binding upon Water System, its owners, shareholders, officers, directors, agents, employees, contractors, successors, and assignees.

SEVERABILITY

The Directives of this Order are severable, and Water System shall comply with each and every provision hereof, notwithstanding the effectiveness of any other provision.

FURTHER ENFORCEMENT ACTION

The California SDWA authorizes the Board to: issue a citation with assessment of administrative penalties to a public water system for violation or continued violation of the requirements of the California SDWA or any regulation, permit, standard, citation, or order issued or adopted thereunder including, but not limited to, failure to correct a violation identified in a citation or compliance order. The California SDWA also authorizes the Board to take action to suspend or revoke a permit that has been issued to a public water system if the public water system has violated applicable law or regulations or has failed to comply with an order of the Board; and to petition the superior court to take various enforcement measures against a public water system that has failed to comply with an order of the Board. The Board does not waive any further enforcement action by issuance of this Order.



Carl L. Carlucci, P.E., Chief
Central California Section
State Water Resources Control Board
Division of Drinking Water

1-4-2017
Date



Certified Mail No. 7015 1660 0000 0781 8800

Attachments

Attachment A: Letter dated October 20, 2016 from the State Board

Attachment B: Public Notification Template

Attachment C: Certification of Public Notification Template

Attachment D: Quarterly Progress Report Template

Cc: Kern County Dept. of Public Health, Env. Health Services Division (w/o attachments)
Dan Sackett, skOO'kum h2o monitoring, inc., Contract Sampler & Distribution Operator (via email)

Attachment A

**State Board's Letter dated October 20, 2016
About
Uranium MCL Violation**

State Water Resources Control Board
Division of Drinking Water

October 20, 2016
System No. 1503140

Rodney Wallace, Superintendent
Frazier Mountain High School
P.O. Box 876
Lebec, CA 93243

RE: PUBLIC NOTIFICATION FOR VIOLATION OF THE MAXIMUM CONTAMINANT LEVEL (MCL) FOR URANIUM FOR FRAZIER MOUNTAIN HIGH SCHOOL WATER SYSTEM

Dear Mr. Wallace:

As discussed in the sanitary survey letter dated November 25, 2013, issued by the California Department of Public Health, Division of Drinking Water (now State Water Resources Control Board; and hereinafter State Board) the Frazier Mountain High School Water System (hereinafter Water System) has been directed to conduct quarterly uranium monitoring of Well 01 (PS Code 1503140-001), based on results of previous sampling results being near or above the uranium maximum contaminant level (MCL) of 20 pCi/L. The uranium results (starting from first quarter of 2013) that have been submitted to the State Board are summarized in the table below, with the calculated Running Annual Average (RAA) values. **Enclosed (Enclosure 1)** with this letter is a report from the State Board's water quality database showing the uranium results.

Summary of Uranium Results – Well 01 (PS Code 1503140-001)

Sample Date	Uranium Result (pCi/L)	RAA Value for Uranium (pCi/L)
02/04/2013 (1 st Qtr. 2013)	20.0	18.8
04/16/2013 (2 nd Qtr. 2013)	21.0	19.3
07/23/2013 (3 rd Qtr. 2013)	18.0	19.3
10/07/2013 (4 th Qtr. 2013)	18.0	19.3
01/22/2014 (1 st Qtr. 2014)	20.0	19.3
04/09/2014 (2 nd Qtr. 2014)	21.0	19.3
07/16/2014 (3 rd Qtr. 2014)	18.0	19.3
10/15/2014 (4 th Qtr. 2014)	19.0	19.5
02/11/2015 (1 st Qtr. 2015)	19.0	19.3
04/08/2015 (2 nd Qtr. 2015)	21.0	19.3
07/21/2015 (3 rd Qtr. 2015)	16.0	18.8
10/14/2015 (4 th Qtr. 2015)	19.0	18.8
01/13/2016 (1 st Qtr. 2016)	21.0	19.3
04/13/2016 (2 nd Qtr., 2016)	21.0	19.3
07/13/2016 (3 rd Qtr. 2016)	22.0	20.8 (MCL Violation)

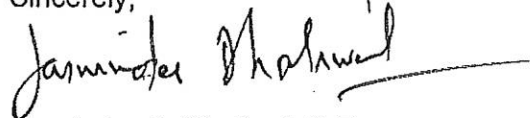
The above table shows the calculated uranium RAA values for Well 01. The RAA values have been calculated based on quarterly samples collected from 1st quarter of 2013 to the 3rd quarter of 2016. As shown in the above table, RAA value for the 3rd quarter of 2016 is above the uranium MCL of 20 pCi/L. **Therefore, the State Board has determined that Well 01 is in violation of the Uranium MCL.** To notify the persons served by the Frazier Mountain High School Water System of the uranium MCL violation, you will need to issue Tier 2 public notification. Enclosed (**Enclosure 2**) is a copy of the public notice for issuing to the persons served by the Water System. **The public notice should be issued before October 31, 2016.** Also enclosed (**Enclosure 3**) is a blank *Certification of Completion of Public Notification* form. Within 10 days of issuing the uranium public notice, please forward copies of the public notice and completed *Certification of Completion of Public Notification* form to the State Board.

The State Board will be soon issuing a compliance order to document the uranium MCL violation. In the compliance order, the Frazier Mountain High School will be required to provide a plan and time schedule to comply with the uranium MCL. Until the compliance order is issued by the State Board, the Water System is directed to take the following actions:

1. Conduct quarterly uranium monitoring of Well 01 and track RAA values for this well.
2. Provide Tier 2 quarterly public notification of the uranium MCL violation when the RAA value is 20.5 pCi/L or higher for a quarter.
3. Within 10 days of issuing the quarterly uranium public notice, forward copies of the public notice and completed *Certification of Completion of Public Notification* form to the State Board.

As a reminder, all chemical water quality monitoring data obtained for Well 01 should continue to be submitted to the State Board via electronic data transfer (EDT) using the Primary Station Code assigned to the well. If you have any questions regarding this matter, please contact the Tehachapi District Office at (661) 335-7315 or via email at dwpsdist19@waterboards.ca.gov.

Sincerely,



Jaswinder S. Dhaliwal, P.E.
Senior Sanitary Engineer, Tehachapi District
SOUTHERN CALIFORNIA BRANCH
DRINKING WATER FIELD OPERATIONS

Enclosures:

Enclosure 1: Report from the State Board's Water Quality Database
Enclosure 2: Tier 2 Public Notice for Uranium MCL Violation
Enclosure 3: Certification of Completion of Public Notification Form

cc: Kern County Dept. of Public Health, Env. Health Services Division (w/o enclosures)
Dan Sackett, sk'OOKum H2O Monitoring, Inc., Contract Sampler

JSD/jsd

Enclosure 1

Report from the State Board's Water Quality Database

DATE: 10/20/2016

STATE OF CALIFORNIA
DRINKING WATER ANALYSES RESULTS REPORT
ALL SAMPLES FOR SELECTED CONSTITUENTS - ALL RESULTS
FOR SAMPLE DATE RANGE OF 20120101 THRU 20161020
REPORT OF SYSTEM: 1503140

PAGE 1

SYSTEM NO: 1503140 NAME: FRAZIER MOUNTAIN HIGH SCHOOL

COUNTY: KERN

SOURCE NO: 001 NAME: WELL 01

CLASS: PTGD

STATUS: Active

PSCODE	GROUP/CONSTITUENT IDENTIFICATION	DATE	RESULT *	MCL	DLR	TRIGGER	UNIT
1503140001	1503140 FRAZIER MOUNTAIN HIGH SCHOOL	001	WELL 01				
	RA RADIOLOGICAL						
	28012 URANIUM (PCI/L)	2012/01/04	16.0000	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2012/05/01	19.0000	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2012/07/16	19.0000	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2012/09/24	18.0000	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2012/10/11	18.0000	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2013/02/14	20.0000	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2013/04/16	21.0000 *	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2013/07/23	18.0000	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2013/10/07	18.0000	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2014/01/22	20.0000	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2014/04/09	21.0000 *	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2014/07/16	18.0000	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2014/10/15	19.0000	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2015/02/11	19.0000	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2015/04/08	21.0000 *	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2015/07/21	16	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2015/10/14	19	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2016/01/13	21 *	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2016/04/13	21 *	20.000	1.000	20.000	PCI/L
	28012 URANIUM (PCI/L)	2016/07/13	22 *	20.000	1.000	20.000	PCI/L

RAA = 20.8 PCI/L

Enclosure 2

Tier 2 Public Notice for Uranium MCL Violation

Instructions for Tier 2 Chemical or Radiological MCLs Notice Template

Template Attached

Since exceeding chemical or radiological maximum contaminant levels (MCLs) is a Tier 2 violation, you must provide public notice to persons served as soon as practical but within 30 days after you learn of the violation [California Code of Regulations Title 22, Chapter 15, Section 64463.4(b)]. **Each water system required to give public notice must submit the notice to the State Water Resources Control Board, Division of Drinking Water (DDW) for approval prior to distribution or posting, unless otherwise directed by the DDW [64463(b)].**

Notification Methods

You must use the methods summarized in the table below to deliver the notice to consumers. If you mail, post, or hand deliver, print your notice on letterhead, if available.

<i>If You Are a...</i>	<i>You Must Notify Consumers by...</i>	<i>...and By One or More of the Following Methods to Reach Persons Not Likely to be Reached by the Previous Method...</i>
Community Water System [64463.4(c)(1)]	Mail or direct delivery ^(a)	Publication in a local newspaper
		Posting in conspicuous public places served by the water system or on the Internet ^(b)
		Delivery to community organizations
Non-Community Water System [64463.4(c)(2)]	Posting in conspicuous locations throughout the area served by the water system ^(b)	Publication in a local newspaper or newsletter distributed to customers
		Email message to employees or students
		Posting on the Internet or intranet ^(b)
		Direct delivery to each customer

(a) Notice must be distributed to each customer receiving a bill including those that provide their drinking water to others (e.g., schools or school systems, apartment building owners, or large private employers), and other service connections to which water is delivered by the water system.

(b) Notice must be posted in place for as long as the violation or occurrence continues, but in no case less than seven days.

The notice attached is appropriate for the methods described above. However, you may wish to modify it before using it for posting. If you do, you must still include all the required elements and leave the health effects and notification language in italics unchanged. This language is mandatory [64465].

Multilingual Requirement

The notice must (1) be provided in English, Spanish, and the language spoken by any non-English-speaking group exceeding 10 percent of the persons served by the water

system and (2) include a telephone number or address where such individuals may contact the water system for assistance.

If any non-English-speaking group exceeds 1,000 persons served by the water system, but does not exceed 10 percent served, the notice must (1) include information in the appropriate language(s) regarding the importance of the notice and (2) contain the telephone number or address where such individuals may contact the water system to obtain a translated copy of the notice from the water system or assistance in the appropriate language.

Population Served

Make sure it is clear who is served by your water system -- you may need to list the areas you serve.

Corrective Action

In your notice, describe corrective actions you are taking. Do not use overly technical terminology when describing treatment methods. Listed below are some steps commonly taken by water systems with chemical or radiological violations. Use one or more of the following actions, if appropriate, or develop your own:

- "We are working with [local/state agency] to evaluate the water supply and researching options to correct the problem. These options may include treating the water to remove [contaminant] or connecting to [system]'s water supply."
- "We have stopped using the contaminated well. We have increased pumping from other wells, and we are investigating drilling a new well."
- "We will increase the frequency at which we test the water for [contaminant]."
- "We have since taken samples at this location and had them tested. They show that we meet the standards."

After Issuing the Notice

Send a copy of each type of notice and a certification that you have met all the public notice requirements to the DDW within ten days after you issue the notice [64469(d)]. You should also issue a follow-up notice in addition to meeting any repeat notice requirements the DDW sets.

It is recommended that you notify health professionals in the area of the violation. People may call their doctors with questions about how the violation may affect their health, and the doctors should have the information they need to respond appropriately.

It is a good idea to issue a "problem corrected" notice when the violation is resolved.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

Frazier Mountain High School Water System Has Levels of Uranium Above the Drinking Water Standard

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we are doing to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Water sample results received from 4th quarter of 2015 to 3rd quarter of 2016 from Well 01 showed the Running Annual Average (RAA) of uranium as 20.8 pCi/L. This is above the standard or maximum contaminant level (MCL) of 20 pico Curies per liter (pCi/L).

What should I do?

- You do not need to use an alternative water supply (e.g., bottled water).
- This is not an immediate risk. If it had been, you would have been notified immediately. However, some people who drink water containing uranium in excess of the MCL over many years may have kidney problems or an increased risk of getting cancer. If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

Frazier Mountain High School is working with the State Water Resources Control Board to resolve the high uranium problem.

For more information, please contact Rodney Wallace, Superintendent at 661-248-6247 or the State Water Resources Control Board, Division of Drinking Water at 661-335-7315.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- SCHOOLS: Must notify school employees, students, and parents (if the students are minors).
- RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS (including nursing homes and care facilities): Must notify tenants.
- BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS: Must notify employees of businesses located on the property.

This notice is being sent to you by Frazier Mountain High School

State Water System ID#:1503140 Date distributed: _____.

Enclosure 3

Certification of Completion of Public Notification Form

Certification of Completion of Public Notification
(Include a Copy of Public Notice with the Certification of Public Notification)

This form, when completed and returned to the Division of Drinking Water – Tehachapi District (4925 Commerce Drive, Suite 120, Bakersfield, CA 93309 or fax to 661-335-7316 or email to dwpdist19@waterboards.ca.gov), serves as certification that public notification to water users was completed as required by Title 22, California Code of Regulations, Sections 64463-64465.

Public Water System Name: Frazier Mountain High School

Public Water System No.: 1503140

Public notification for Uranium MCL Violation of Well 01 was performed by the following method(s)

(check and complete those that apply):

- ☐ The notice was mailed to users on: _____
A copy of the notice is attached.
- ☐ The notice was hand delivered to water customers on: _____
A copy of the notice is attached.
- ☐ The notice was published in the local newspaper on: _____
A copy of the newspaper notice is attached.
- ☐ The notice was posted at conspicuous places on: _____
A copy of the notice is attached.
A list of locations the notice was posted is attached.
- ☐ The notice was delivered to community organizations on: _____
A copy of the notice is attached.
A list of community organizations the notice was delivered to is attached.

I hereby certify that the above information is factual.

Printed Name

Title

Signature

Date

Disclosure: Be advised that Section 116725 and 116730 of the California Health and Safety Code state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for separate violation each day that the violation continues. In addition, the violators may be prosecuted in criminal court and, upon conviction, be punished by a fine of not more than \$25,000 for each day of violation, or be imprisoned in the county jail not to exceed one year, or by both the fine and imprisonment.

Due to the State Board Quarterly within 10 days of issuance of notice to customers and no later than November 10, 2016

Enforcement No. Pending

Attachment B

Uranium Public Notification Template

Instructions for Tier 2 Chemical or Radiological MCLs Notice Template

Template Attached

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(a) Notice must be distributed to each customer receiving a bill including those that provide their drinking water to others (e.g., schools or school systems, apartment building owners, or large private employers), and other service connections to which water is delivered by the water system.

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Population Served

Make sure it is clear who is served by your water system -- you may need to list the areas you serve.

Corrective Action

In your notice, describe corrective actions you are taking. Do not use overly technical terminology when describing treatment methods. Listed below are some steps commonly taken by water systems with chemical or radiological violations. Use one or more of the following actions, if appropriate, or develop your own:

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- “We have stopped using the contaminated well. We have increased pumping from other wells, and we are investigating drilling a new well.”
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- “We have since taken samples at this location and had them tested. They show that we meet the standards.”

After Issuing the Notice

Send a copy of each type of notice and a certification that you have met all the public notice requirements to the DDW within ten days after you issue the notice [64469(d)]. You should also issue a follow-up notice in addition to meeting any repeat notice requirements the DDW sets.

It is recommended that you notify health professionals in the area of the violation. People may call their doctors with questions about how the violation may affect their health, and the doctors should have the information they need to respond appropriately.

It is a good idea to issue a “problem corrected” notice when the violation is resolved.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.

Tradúzcalo o hable con alguien que lo entienda bien.

Frazier Mountain High School Water System Has Levels of Uranium Above the Drinking Water Standard

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we are doing to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Water sample results received from ____ quarter of ____ to ____ quarter of ____ from Well 01 showed the Running Annual Average (RAA) of uranium as ____ pCi/L. This is above the standard or maximum contaminant level (MCL) of ____ pico Curies per liter (pCi/L).

What should I do?

- **You do not need to use an alternative water supply (e.g., bottled water).**
- This is not an immediate risk. If it had been, you would have been notified immediately. However, some people who drink water containing uranium in excess of the MCL over many years may have kidney problems or an increased risk of getting cancer. If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

Frazier Mountain High School is working with the State Water Resources Control Board to resolve the high uranium problem.

For more information, please contact Rodney Wallace, Superintendent at 661-248-6247 or the State Water Resources Control Board, Division of Drinking Water at 661-335-7315.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by Frazier Mountain High School

State Water System ID#:1503140 Date distributed: _____.

Attachment C

Certification of Completion of Public Notification Template

Certification of Completion of Public Notification

(Include a Copy of Public Notice with the Certification of Completion of Public Notification)

This form, when completed and returned to the Division of Drinking Water – Tehachapi District (4925 Commerce Drive, Suite 120, Bakersfield, CA 93309 or fax to 661-335-7316 or email: dwpdist19@waterboards.ca.gov), serves as certification that public notification to water users was completed as required by Title 22, California Code of Regulations, Sections 64463-64465.

Public Water System Name: Frazier Mountain High School Water System

Public Water System No.: 1503140

Public notification for uranium MCL violation for the () Quarter of

was performed by the following method(s) (check and complete those that apply):

- ☐ The notice was mailed to users on: _____
A copy of the notice is attached.
- ☐ The notice was hand delivered to water customers on: _____
A copy of the notice is attached.
- ☐ The notice was published in the local newspaper on: _____
A copy of the newspaper notice is attached.
- ☐ The notice was posted at conspicuous places on: _____
A copy of the notice is attached.
A list of locations the notice was posted is attached.
- ☐ The notice was delivered to community organizations on: _____
A copy of the notice is attached.
A list of community organizations the notice was delivered to is attached.

I hereby certify that the above information is factual.

Printed Name

Title

Signature

Date

Disclosure: Be advised that Section 116725 and 116730 of the California Health and Safety Code state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for separate violation each day that the violation continues. In addition, the violators may be prosecuted in criminal court and, upon conviction, be punished by a fine of not more than \$25,000 for each day of violation, or be imprisoned in the county jail not to exceed one year, or by both the fine and imprisonment.

Due to the Division of Drinking Water within 10 days of issuance of notice to customers

Enforcement Action No. **03_19_17R_001**

Attachment D

Quarterly Progress Report Template

Quarterly Progress Report

Water System:	Frazier Mountain High School	Water System No.:	1503140
Compliance Order No.:	03_19_17R_001	Violation:	Uranium MCL
Calendar Quarter:		Date Prepared:	

This form should be prepared and signed by Water System personnel with appropriate authority to implement the directives of the Compliance Order and the Corrective Action Plan. Please attach additional sheets as necessary. The quarterly progress report must be submitted by the 10th day of each subsequent quarter, to the Division of Drinking Water, Tehachapi District Office.

Summary of Compliance Plan:

Tasks completed in the reporting quarter:

Tasks remaining to complete:

Anticipate compliance date:

Name

Signature

Title

Date